



PTO/SB/08a/b (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known	
		Application Number	09/589,288
		Filing Date	June 8, 2000
		First Named Inventor	Guo-Liang Yu
		Art Unit	1647
Examiner Name	B.E. Bunner		
Attorney Docket Number	PF343P3C7		

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BBB	J1	US2002/0037852 A1	03-28-2002	Browning et al.	
	J2	US2002/0150579 A1	10-17-2002	Kimberly et al.	
	J3	US2003/0059937 A1	03-27-2003	Ruben et al.	
	J4	US2003/0095967 A1	05-22-2003	MacKay et al.	
	J5	US2003/0148445 A1	08-07-2003	Shu	
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	J7	US2005/0100548 A1	05-12-2005	Browning et al.	
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	J15	60/149,378	NA	Mackay, F., et al.	
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	J18	60/166,271	NA	Boyle, W. and Hsu, H.	
	J19	09/226,533	NA	Gross, J., et al.	
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BBB	J21	5,595,721	01-21-1997	Kaminski et al.	

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		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
BBB	J22	WO99/35170 A2	07-15-1999	Genentech, Inc.		
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	J28	EP 1 354 598 A3	10-22-2003	ZymoGenetics, Inc.		
	J29	EP 1 415 659 A1	05-06-2004	Biogen, Inc. and Apoxis SA		
	J30	EP 1 146 892 B1	08-20-2003	Biogen, Inc., Apoxis SA		
	J31	EP 1 141 274 B1	09-10-2003	ZymoGenetics, Inc.		
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	J34	WO01/24811 A1	04-12-2001	Biogen, Inc. and Apotech R & D SA		
BBB	J35	WO02/066516 A3	08-29-2002	ZymoGenetics, Inc.		

Examiner Signature	/Bridget E. Bunner/	Date Considered	07/19/2006
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(Use as many sheets as necessary)

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BBB	J36	EP 9828628.9	NA	Glaxo Group Ltd.		

NON PATENT LITERATURE DOCUMENTS						
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BBB	J37	Human Genome Sciences' opposition of EP Patent No 1 146 892 B1 including Annex A. Filed in the European Patent Office on September 19, 2005.				
BBB	J38	Serono International SA's opposition of EP Patent No 1 146 892 B1 with Annexes I and II. Filed in the European Patent Office on August 24, 2005				
	J39	Lexikon der Medizin "Hypertension"				
BBB	J40	WALLACH, D. "TNF Ligands and TNF/NGF Receptor Families" in Cytokine Reference Vol.1: Ligands, eds. Oppenheim and Feldman, Academic Press, pp. 377-411. (2001).				
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	J43	Genentech's opposition of EP Patent No 1 141 274 B1. Filed in the European Patent Office on June 10, 2004.				
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	J52	PATEL ET AL., "Engineering an APRIL-specific B cell maturation antigen" <i>The Journal of Biological Chemistry</i> , 279:16727-16735. (2004).				
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	J54	Clustal V Alignment of human and mouse TAC1 (provided by Opponent I).				
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BBB	J56	HYMOWITZ, ET AL., "Structures of APRIL-receptor complexes: like BCMA, TACI employs only a single cysteine-rich domain for high affinity ligand binding" <i>The Journal of Biological Chemistry</i> , 280:7218-7227, (2005), with Tables S1-S4 and Fig. S1 as published in the online version of this article available at http://www.jbc.org .			
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BBB	J58	Further experimental evidence concerning anti-TACI antibodies of [EP 1 141 274 B1] Patent Example 18 (Zymogenetics' unpublished data).			
BBB	J59	GROSS ET AL., "TACI-Ig neutralizes molecules critical for B cell development and autoimmune disease: Impaired B cell maturation in mice lacking BLyS" <i>Immunity</i> , 15:289-302. (2001).			
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NON PATENT LITERATURE DOCUMENTS				
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Sheet	5	of	5	Attorney Docket Number	PF343P3C7

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BEB	J98	Molecular Biology of the Cell, Second Edition, edited by Alberts et al., Garland Publishing, Inc., New York, pp. 117-118. (1989).	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08a/b (06-03)
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	C1	Waldmann, TA, "Immunotherapy: Past, Present and Future," Nature Medicine 9:269-277, (2003).	
	C2	Janeway, C. & P. Travers. (1994) Immunobiology: The Immune System in Health and Disease, (Current Biology Ltd./Garland Publishing, London), pp 1:15, 1:16 and 11:19.	
	C3	Weinblatt, ME et al., Methotrexate in rheumatoid arthritis. A five-year prospective multicenter study. Arthritis and Rheumatism. (1994) 37:1492-1498.	
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Sheet 1 of 1 Attorney Docket Number PF343P325

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	D1	Baker et al., "Generation and Characterization of LymphoStat-B, a Human Monoclonal Antibody That Antagonizes the Bioactivities of B ¹ Lymphocyte Stimulator," <i>Arthritis & Rheumatism</i> , 48(11):3253-3265 (Nov. 2003).	
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Substitute for form 1449A/B/PTO		Complete if Known	
		Application Number	09/589,288-Conf. #1519
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	June 8, 2000
		First Named Inventor	Guo-Liang Yu
		Art Unit	1647
		Examiner Name	B. E. Bunner
		Attorney Docket Number	PF343P3C5
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	E1	6,869,605	03-22-2005	Browning et al.	
	E2	6,875,846	04-05-2005	Rennert et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

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	E3	Biogen Inc. and Apoxis SA's Response (including Annexes A and B and the Main Request containing a substitute set of claims) to Human Genome Sciences and Serono's Oppositions of EP Patent No. 1146892. The Response was filed in the European Patent Office on March 14, 2005.		

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		Examiner Name	B. E. Bunner
Sheet 1 of 1	Attorney Docket Number	PF343P305	

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	F1	WO-00/58362	10-05-2000	HUMAN GENOME SCIENCES, INC.		

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	F2	WPI/DERWENT Accession No. 2000-572093.	
	F3	Supplementary Partial European Search Report, European Application No. EP 00 90 8739, mailed June 30, 2005.	

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		Country Code 3 -Number 4 -Kind Code 5 (if known)				

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	G1	ZymoGenetics' Observations in Reply (158 pages) to Oppositions of EP Patent No. 1141274 lodged by Corixa Corporation, Human Genome Sciences, Inc., Genentech, Inc., and Biogen Idec, Inc. The Observations in Reply was filed in the European Patent Office on June 7, 2005.		
	G2	STOHL, W., "A therapeutic role for BLyS antagonists," <i>Lupus</i> , 13:317-322 (2004).		
	G3	NOVAK et al., "Expression of BLyS and its receptors in B-cell non-Hodgkin lymphoma: correlation with disease activity and patient outcome," <i>Blood</i> , 104(8):2247-2253 (2004).		
	G4	European Search Report, European Application No. EP 05 01 2261, mailed August 8, 2005.		

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		Art Unit	1647		
		Examiner Name	B. E. Bunner		
Sheet	1	of	1	Attorney Docket Number	PF343P3C5

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	11	WO-02/18620	03-07-2002	Human Genome Sciences, Inc.		

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	12	SCHALLER et al., "Characterization of <i>apxIVA</i> , a new RTX determinant of <i>Actinobacillus pleuropneumoniae</i> ," <i>Microbiology</i> , 145:2105-2116 (1999).			
	13	CHEN et al., "Expression vectors for affinity purification and radiolabeling of proteins using <i>Escherichia coli</i> as host," <i>Gene</i> , 139:73-75 (1994).			
	14	Supplementary European Search Report, European Application No. 02 78 6413, mailed December 20, 2005.			
	15	Human Genome Sciences, Inc.'s Reply filed in the European Patent Office on November 4, 2005 in conjunction with its Opposition of EP Patent No. 1141274 and copies of supporting documents D41-D43.			

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Sheet	1	of	1	Attorney Docket Number	PF343P3C5

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BBB	C1	Waldmann, TA, "Immunotherapy: Past, Present and Future," Nature Medicine 9:269-277, (2003).			
	C2	Janeway, C. & P. Travers. (1994) Immunobiology: The Immune System in Health and Disease, (Current Biology Ltd./Garland Publishing, London), pp 1:15, 1:16 and 11:19.			
	C3	Weinblatt, ME et al., Methotrexate in rheumatoid arthritis. A five-year prospective multicenter study. Arthritis and Rheumatism. (1994) 37:1492-1498.			
	C4	Wise, CM et al., Methotrexate in nonrenal lupus and undifferentiated connective tissue disease - a review of 36 patients. The Journal of Rheumatology. (1996) 23:1005-1010.			
	C5	Brazelton, TR and RE Morris. Molecular mechanism of action of new xenobiotic immunosuppressive drugs: tacrolimus (FK506), sirolimus (rapamycin), mycophenolate mofetil and leflunomide. Current Opinion in Immunology. (1996) 8:710-720.			
	C6	Goldblum, R. Therapy of rheumatoid arthritis with mycophenolate mofetil. Clinical and Experimental Rheumatology. (1993) 11 suppl 8:S117-119.			
	C7	Ciruelo, E et al., Cumulative rate of relapse of lupus nephritis after successful treatment with cyclophosphamide. Arthritis and Rheumatism. (1996) 39:2028-2034.			
	C8	Huard, et al., T cell costimulation by the TNF ligand BAFF. The Journal of Immunology. (2001) 167(11):6225-31.			
	C9	Kayagaki, N et al., BAFF/BLyS receptor 3 binds the B cell survival factor BAFF ligand through a discrete surface loop and promotes processing of NF-kappaB2. Immunity (2002) 10:515-24.			
BBB	C10	Abbas et al., Cellular and Molecular Immunology (W.B. Saunders Company: Philadelphia) 1991, pp. 362 and 365.			

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BEB	D1	Baker et al., "Generation and Characterization of LymphoStat-B, a Human Monoclonal Antibody That Antagonizes the Bioactivities of B Lymphocyte Stimulator," <i>Arthritis & Rheumatism</i> , 48(11):3253-3265 (Nov. 2003).		
BEB	D2	Furie, R. et al., "Safety, Pharmacokinetic and Pharmacodynamic Results of a Phase 1 Single and Double Dose-Escalation Study of LymphoStat-B (Human Monoclonal Antibody to BLyS) in SLE Patients." 67th Annual American College of Rheumatology Scientific Meeting, October 23-28, 2003, Orlando, Florida.		

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BEB	F3	Supplementary Partial European Search Report, European Application No. EP 00 90 8739, mailed June 30, 2005.	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
BBB	G1	ZymoGenetics' Observations in Reply (158 pages) to Oppositions of EP Patent No. 1141274 lodged by Corixa Corporation, Human Genome Sciences, Inc., Genentech, Inc., and Biogen Idec, Inc. The Observations in Reply was filed in the European Patent Office on June 7, 2005.		
BBB	G2	STOHL, W., "A therapeutic role for BLYS antagonists," <i>Lupus</i> , 13:317-322 (2004).		
BBB	G3	NOVAK et al., "Expression of BLYS and its receptors in B-cell non-Hodgkin lymphoma: correlation with disease activity and patient outcome," <i>Blood</i> , 104(8):2247-2253 (2004).		
BBB	G4	European Search Report, European Application No. EP 05 01 2261, mailed August 8, 2005.		

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/589,288-Conf. #1519
				Filing Date	June 8, 2000
				First Named Inventor	Guo-Liang Yu
				Art Unit	1647
				Examiner Name	B. E. Bunner
Sheet	1	of	1	Attorney Docket Number	PF343P3C5

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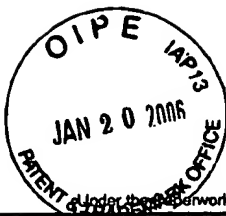
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BEB	H1	Serono International SA's Reply filed in the European Patent Office on August 24, 2005 in conjunction with its Opposition of EP Patent No. 1146892.	

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	09/589,288-Conf. #1519	
			Filing Date	June 8, 2000	
			First Named Inventor	Guo-Liang Yu	
			Art Unit	1647	
			Examiner Name	B. E. Bunner	
Sheet	1	of	1	Attorney Docket Number	PF343P3C5

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BEB	11	WO-02/18620	03-07-2002	Human Genome Sciences, Inc.		

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BEB	12	SCHALLER et al., "Characterization of <i>apxIVA</i> , a new RTX determinant of <i>Actinobacillus pleuropneumoniae</i> ," <i>Microbiology</i> , 145:2105-2116 (1999).	
	13	CHEN et al., "Expression vectors for affinity purification and radiolabeling of proteins using <i>Escherichia coli</i> as host," <i>Gene</i> , 139:73-75 (1994).	
	14	Supplementary European Search Report, European Application No. 02 78 6413, mailed December 20, 2005.	
BEB	15	Human Genome Sciences, Inc.'s Reply filed in the European Patent Office on November 4, 2005 in conjunction with its Opposition of EP Patent No. 1141274 and copies of supporting documents D41-D43.	

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				Application Number	09/589,288
				Filing Date	June 8, 2000
				First Named Inventor	Guo-Liang Yu
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BEB	L1	ZymoGenetics' opposition of EP Patent No 0 939 804 including copies of supporting documents D1-D27. Filed in the European Patent Office on May 17, 2006.		
BEB	L2	Serono International SA's opposition of EP Patent No 0 939 804 including copies of supporting documents D1-D17. Filed in the European Patent Office on May 17, 2006.		
BEB	L3	Eli Lilly and Company's opposition of EP Patent No 0 939 804 including copies of supporting documents D1-D16. Filed in the European Patent Office on May 17, 2006.		

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